

Appl. No. 09/978,409
Amdt. Dated June 25, 2003
Reply to Office action of January 29, 2003

Amendments to the Specification

Please replace the paragraph beginning at page 6, line 18, with the following rewritten paragraph:

Q1 The kerf 835 in the prime hinge leaf 83 supports weather seal member 555, as shown in Figure ~~Figures 7 and 8B~~, across the notch 816 (in the fixed hinge leaf 81) for the prime hinge leaf. The kerf 493 in surround seal flange 491 supports the weather seal 555 around the rest of the main frame, as shown in Figures 8A and 10, and supports the lower weather seal assembly 553 across the bottom of the door. Kerfs 493 and 835 are aligned. Thus, they provide continuous support for the unbroken weather member 555, and eliminate any requirement for short seal pieces in the hinge area.

Please replace the paragraph beginning at page 7, line 26, with the following rewritten paragraph.

Q2 As also best seen in Figure 5-6, the rib 35 on the main frame has notches 37 for the hinge assemblies 80. Similarly, the fixed leaf 81 of each hinge assembly has notches 813 for the screen door leaf. ~~As may be seen in cross-sectional views 8A, 8B and 10, the outwardly facing, unnotched sections 215 of the main frame seal rib 217 (shown in phantom behind the screen hinge leaf in Figure 10), the outwardly facing, unnotched sections of the fixed hinge leaves and the outwardly facing sections 853 in the screen hinge leaves 85 (partially broken away in Figure 10 to show the main frame rib 217) are substantially coplanar and provide a continuous~~ outwardly facing sealing surface 25 across the hinges. Thus, an unbroken seal can be provided across the hinges with a single unbroken weather sealing member 555, which contributes significantly to performance, dependability and manufacturing economy.

Please replace the paragraph beginning at page 8, line 11 with the following rewritten paragraph.

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A3
~~As best seen in Figure~~ Referring to Figures 6 and 10, there are two small ribs 821 on the back side of the rearwardly extending or laterally facing step 823 in the fixed hinge leaf 81. They minimize the risk that flash or scrap from the cutting of the notches ~~815~~ 813 in the fixed hinge leaf will keep the hinge assemblies from being positioned properly in the main frame notches 219.

Please replace the paragraph beginning at page 9, line 14 with the following rewritten paragraph.

af
As best seen in Figure 5 ~~6~~, the filler plug 24 has a rib 241 which fits into the ~~groove 221~~ groove 222 in the main frame member, and 2 prongs 243 which are inserted into spaces in the outer (and lowest) section of threshold 23.

Please replace the paragraph beginning at page 9, line 18 with the following rewritten paragraph.

as
As best seen in Figure 7, the fixed hinge leaf has three knuckles 811 for a hinge pin 91. These knuckles are separated by two notches: a smaller notch ~~814~~ 816 for the prime hinge leaf 83 and a larger notch ~~815~~ 813 for the screen hinge leaf 85. The prime hinge leaf and screen hinge leaf have similar knuckles (831 and 851 respectively), partially cut away to accommodate acetal plastic hinge bushings 87, which are inserted into the top of the bores 825 in the fixed hinge leaf knuckles 811 and the bottom of the bores 845, 855 in the prime hinge leaf knuckle 831 and screen hinge leaf bushing 851. Hinge pin 91 extends through the bushings, through plugs 89 in each knuckle, one of which is illustrated in the cut-away portion of the screen leaf bushing in Figure 7, and through a washer 93 beneath the lowest fixed hinged bushing. The lower end 91 of the hinge pin is swedged to provide a secure assembly. With the positive location afforded by the notches in the weather seal rib 217, the hinge assemblies lend themselves to removal of an entire door and/or replacement of an individual hinge, if damaged through negligence.